

Title (en)

HYDRAULIC DRIVE DEVICE FOR HYDRAULIC WORK MACHINE

Title (de)

HYDRAULISCHE ANTRIEBSVORRICHTUNG FÜR EINE HYDRAULISCHE ARBEITSMASCHINE

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT HYDRAULIQUE POUR MACHINE INDUSTRIELLE HYDRAULIQUE

Publication

EP 2610504 A4 20170920 (EN)

Application

EP 11819729 A 20110726

Priority

- JP 2010190922 A 20100827
- JP 2011066988 W 20110726

Abstract (en)

[origin: EP2610504A1] A hydraulic drive system designed so that while maintaining intact a structure of a relief valve having a shockless function, the drive unit hydraulic drive system facilitates changing a driving pressure or braking pressure of a hydraulic swing motor and hence, changing a maximum driving torque or braking torque of the hydraulic swing motor. Inside a swing motor unit 4 are arranged a first swinging relief valve 44a, 44b provided with a shockless function to limit a driving pressure or braking pressure of the hydraulic swing motor 40 in order to prevent the pressure from exceeding a first setting pressure, and a second swinging relief valve 46a, 46b for limiting the driving pressure or braking pressure of the hydraulic swing motor in order to prevent the pressure from exceeding a second setting pressure that is lower than the first setting pressure; in this unit configuration, either one of a mode in which to leave relief characteristics of the first swinging relief valve operative intact, and a mode in which to provide relief characteristics obtained by reducing the first setting pressure of the relief characteristics of the first swinging relief valve to the second setting pressure of the second swinging relief valve is selected by operating a relief pressure change instructing switch 8 and then switching a changeover valve 47a, 47b.

IPC 8 full level

E02F 9/22 (2006.01); **F15B 11/00** (2006.01); **F15B 11/028** (2006.01)

CPC (source: EP KR US)

E02F 3/962 (2013.01 - EP US); **E02F 9/123** (2013.01 - EP US); **E02F 9/128** (2013.01 - EP US); **E02F 9/22** (2013.01 - KR); **E02F 9/2282** (2013.01 - EP US); **E02F 9/2285** (2013.01 - EP US); **E02F 9/2296** (2013.01 - EP US); **F15B 11/00** (2013.01 - KR); **F15B 11/028** (2013.01 - KR); **F15B 11/0406** (2013.01 - EP US); **F16H 61/4043** (2013.01 - US); **F16H 61/4052** (2013.01 - US); **F16H 61/4061** (2013.01 - US); **F15B 2211/20546** (2013.01 - EP US); **F15B 2211/50527** (2013.01 - EP US); **F15B 2211/613** (2013.01 - EP US); **F15B 2211/7058** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2610504 A1 20130703; **EP 2610504 A4 20170920**; **EP 2610504 B1 20190619**; CN 103052810 A 20130417; CN 103052810 B 20160316; JP 2012047298 A 20120308; JP 5504423 B2 20140528; KR 101876590 B1 20180709; KR 20130108266 A 20131002; US 2013139678 A1 20130606; US 9249879 B2 20160202; WO 2012026264 A1 20120301

DOCDB simple family (application)

EP 11819729 A 20110726; CN 201180038432 A 20110726; JP 2010190922 A 20100827; JP 2011066988 W 20110726; KR 20137004620 A 20110726; US 201113805913 A 20110726